segment coupled to the shaft segment; where the uptake lumen distal end is terminated by a closed surface, further where the uptake lumen distal segment includes only one side hole. In a third embodiment, the catheter includes: an uptake lumen; and a return lumen; where at least a portion of the return lumen distal segment is helically coiled around the uptake lumen distal end.

## REMARKS

Pursuant to the Examiner's request, submitted herewith is an amendment to the abstract.

Attached hereto is a marked-up version of the changes made to the abstract by the current amendment. The attached page is captioned "**Version with markings to show changes made**".

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 375952000200.

Respectfully submitted,

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## VERSION WITH MARKINGS TO SHOW CHANGES MADE

A catheter is described. In one embodiment, the catheter includes: a shaft segment[, the shaft segment including a proximal end of the catheter and a shaft segment central axis, the shaft segment further] including a shaft segment uptake lumen and a shaft segment return lumen; and a distal end segment coupled to the shaft segment, the distal end segment [including a distal end of the catheter and a distal end segment central axis, the distal end segment further] including a distal end segment uptake lumen and a distal end segment return lumen[, where the distal end segment uptake and return lumens are coupled to the shaft segment uptake and return lumens, respectively]; where the distal end segment central axis forms a non-zero angle with the shaft segment central axis when the catheter is in its unstressed configuration. In a second embodiment, the catheter includes: a shaft segment[, the shaft segment including a proximal end of the catheter and a shaft segment central axis]; and a distal end segment coupled to the shaft segment[, the distal end segment including a distal end of the catheter and a distal end segment central axis; where the distal end segment central axis is parallel to the shaft segment central axis when the catheter is in its unstressed configuration, further where the distal end segment includes a return lumen and an uptake lumen having a return lumen distal end and an uptake lumen distal end, respectively, further] ; where the uptake lumen distal end is terminated by a closed surface, further where the uptake lumen distal segment includes only one side hole. In a third embodiment, the catheter includes: an uptake lumen [including an uptake lumen shaft segment and an uptake lumen distal segment with an uptake lumen distal end]; and a return lumen [including a return lumen shaft segment and a return lumen distal segment with a return lumen distal end; where the uptake lumen shaft segment is substantially parallel to the return lumen shaft segment, further] ;where at least a portion of the return lumen distal segment is helically coiled around the uptake lumen distal end.